

*CLAIMS*

WHAT IS CLAIMED IS:

1. An electronic camera having one of a stroboscope unit and a connection terminal to a stroboscope unit, said electronic camera comprising:
  - 5 an imaging unit for capturing an image of a subject;
  - a calculating unit for calculating a color temperature of double illumination according to the image captured with the double illumination which is illumination of both field light and strobe light emitted by said stroboscope unit; and
  - 10 a reflection unit for allowing the calculated color temperature to be reflected in a white balance correction value to be applied to said image, wherein
  - when said calculated color temperature is in a predetermined range, said reflection unit decreases a degree of the reflection.
2. The electronic camera according to Claim 1, wherein
- 15 when said calculated color temperature is higher than a color temperature of single illumination of said strobe light, said reflection unit allows said white balance correction value to approximate to such a value that suppresses a color of the single illumination.
3. The electronic camera according to Claim 2, wherein
- 20 when said calculated color temperature is higher than the color temperature of the single illumination of said strobe light, said reflection unit allows said white balance correction value to coincide with such a value that suppresses the color of the single illumination.
4. The electronic camera according to Claim 2, wherein
- 25 when said calculated color temperature is lower than a color temperature of illumination equivalent to daytime light, said reflection unit allows said white balance correction value to approximate to such a value that suppresses the color of the single

illumination of said strobe light.

5. The electronic camera according to Claim 4, wherein

when said calculated color temperature is lower than the color temperature of the illumination equivalent to daytime light and also lower than a color temperature of  
5 illumination equivalent to sunset light, said reflection unit allows said white balance correction value to further approximate to said such value.

6. The electronic camera according to Claim 5, wherein

when said calculated color temperature is lower than the color temperature of the illumination equivalent to daytime light and also lower than the color temperature of the  
10 illumination equivalent to sunset light, said reflection unit allows said white balance correction value to coincide with said such value.

7. The electronic camera according to Claim 2, wherein

when said calculated color temperature is lower than a color temperature of  
illumination equivalent to daytime light, said reflection unit allows said white balance  
15 correction value to approximate to such a value that suppresses a color of the illumination equivalent to daytime light.

8. The electronic camera according to Claim 1, further comprising a unit for identifying  
a type of said field light, wherein

20 said reflection unit changes, depending on the identified type, a relationship  
between a range of said calculated color temperature and the degree of the reflection.

9. A white balance correction circuit for use with an electronic camera capable of  
emitting strobe light, said circuit comprising:

a calculating unit for calculating a color temperature of double illumination  
according to an image captured by said electronic camera with the double illumination which  
25 is illumination of both field light and strobe light; and

a reflection unit for allowing the calculated color temperature to be reflected in a white balance correction value to be applied to said image, wherein

when said calculated color temperature is in a predetermined range, said reflection unit decreases a degree of the reflection.

5 10. The white balance correction circuit according to Claim 9, wherein

when said calculated color temperature is higher than a color temperature of single illumination of said strobe light, said reflection unit allows said white balance correction value to approximate to such a value that suppresses a color of the single illumination.

11. The white balance correction circuit according to Claim 10, wherein

10 when said calculated color temperature is higher than a color temperature of single illumination of said strobe light, said reflection unit allows said white balance correction value to approximate to such a value that suppresses the color of the single illumination of said strobe light.

12. The white balance correction circuit according to Claim 10, wherein

15 when said calculated color temperature is lower than a color temperature of illumination equivalent to daytime light, said reflection unit allows said white balance correction value to approximate to such a value that suppresses the color of the single illumination of said strobe light.

13. The white balance correction circuit according to Claim 12, wherein

20 when said calculated color temperature is lower than the color temperature of the illumination equivalent to daytime light and also lower than a color temperature of illumination equivalent to sunset light, said reflection unit allows said white balance correction value to further approximate to said such value.

14. The white balance correction circuit according to Claim 13, wherein

25 when said calculated color temperature is lower than the color temperature of the

illumination equivalent to daytime light and also lower than the color temperature of the illumination equivalent to sunset light, said reflection unit allows said white balance correction value to coincide with said such value.

15. The white balance correction circuit according to Claim 10, wherein

5 when said calculated color temperature is lower than the color temperature of the illumination equivalent to daytime light, said reflection unit allows said white balance correction value to approximate to such a value that suppresses the color of the illumination equivalent to daytime light.

16. The white balance correction circuit according to Claim 9, wherein:

10 said electronic camera is capable of identifying a type of said field light; and  
said reflection unit changes, depending on the identified type, a relationship between a range of said calculated color temperature and the degree of the reflection.